INDEX TO VOLUME 17

The asterisk (*) preceding the page number indicates an original article in the Archives. Author entries are made for original articles and society transactions. Subject entries are made for all articles. Book Reviews, Obituaries and Society Transactions are indexed under these headings in their alphabetical order under the letters B, O and S, respectively.

Abortion, infectious; agglutination tests in diagnosis in cattle, 710
Abscess: See under names of organs and regions
Acacia, production of antibodies against carbohydrates (acacia), 595
Acid, Acetylsalicylic: See Salicyl Compounds
effects of oxyacids and hydroxyacids on protein swelling, *615
Carbolic: See Phenol
Acidosis: See also Tissue, reaction
experimental, bone changes in, 247
Acrocephalosyndactylism: See Acrocephaly
Acrocephaly, acrocephalosyndactylism (Apert), 109
Actinobacillosis: See Actinomycosis
Actinomyces, pleomorphic organism showing relationships between staphylococci and actinomycetes, 260
Actinomycosis, actinobacillosis of cattle in United States, 119
actinobacillosis of man, 843
Adams, W. E.: Vascular changes in chronic experimental atelectasis, 443
Adenoma, histology of adenoma of islets of Langerhans, *291
multiple, in undescended testis, 433
parathyroid, associated with osteitis fibrosa, 718
reducing substance in chromophilic adenoma and in normal anterior pituitary, 256
Adipose Tissue: See Fat
Adiposogenital Syndrome: See under Pituitary Body
Adrenals: See Suprarenals
Agalactia, virus, enzymes of, 853
Agglutination, antagonism between red blood cells and organs of rabbit in content of A substance, 594
Agglutinins: See also under Antigens and Antibodies; Blood, groups; Immunity
analysis of blood antigens with help of hetero-agglutinins, 594
content of, in combined oral and subcutaneous typhoid immunization, 595
determination of titer of iso-agglutinins, 439
isolation of group-specific agglutinogens of erythrocytes, 125
natural hemagglutinins in snakes and other cold-blooded animals, 426
rôle of skin in formation of, 269
with typhoid-paratyphoid vaccine, 854
Agglutinogens: See Agglutinins
Agranulocytosis: See Angina, agranulocytic
Albumin: See also under Albuminuria; Blood, proteins; Protein
serologic analysis of egg white, 270
Albuminuria, urinary compound of albumin, Bence-Jones protein, pseudoglobulin and unknown antigen, 256
Alcoholism, alcoholic encephalopathy, 415
phosphorus and alcoholic cirrhosis, 408
protracted retention of alcohol in traumatic coma, 438
Alimentary Tract: See Digestive Tract
Allergy: See Anaphylaxis and Allergy
Alopecia, experimental, 409
Altitude and colloidal iron, influence on experimental anemia, 575
Aluminum hydrochloride, precipitin production in rabbits following intramuscular injection of antigen adsorbed by, 712
American Medical Association, Cleveland session, scientific exhibit, 104
Type Culture collection, 827
Amines, colloid-chemical properties of some protein-amine compounds, *324
Amniotic Fluid, aspiration of, congenital tuberculosis of lung due to, 264
aspiration of diseases of lungs in new-born associated with, 420
Amyloidosis, atypical, 134
experimental study, *50
of bone marrow, 285, *620
of kidneys, 252
Anaerobic Bacteria: See under Bacteria
Anaphylaxis and Allergy; anaphylaxis and immunity, 427
Grundfragen der Immunbiologie und Allergielehre, 124
local organ hypersensitiveness, 593, 709
persistence of immunity after abolition of allergy by desensitization, 704
reactions of tissue in experimentally sensitized rabbits, 268
relation of allergy to general resistance in streptococcic infection, 711
serum sickness in rabbits, 123
specificity of allergy to certain Neisseriae, 707
serum disease; heterophilic antibodies in serum disease, 711
tissue culture studies on relation of tuberculin reaction to anaphylaxis and Arthus phenomenon, 708
transferable and inhibiting substances in blood of allergic patients, 590
Anatoxin: See Diphtheria toxoid
Anemia, Cooley's, case of, 280
erythroblastic, fatal, 601
experimental influence of colloidal iron and altitude on, 575
pernicious, carcinoma of stomach treated as, duration over 6 years, 286
splenic; chemical examination of spleen in Gaucher's disease, 259
Angina, agranulocytic; extensive necrosis of intestinal tract in agranulocytosis, 584
pectoris and coronary circulation in relation to coronary occlusion, 421
pectoris, diaphragmatic, 107
pectoris, significance of lesions of heart muscle in, 421
Vincent's, and appendicitis, 264
Angioglioma, combination tumor of brain (true angioglioma), 435
Anomalies and Deformities: See Monsters; and under names of organs and regions
Anthrax infection, asymptomatic, in man, 857
infection, mechanism of, 847
Antibodies: See Antigens and Antibodies
Antigens and Antibodies; action of fecal extracts on antigens, 427
action of formaldehyde on different antibody functions, 429
adsorption and elution of antigenic substance, 590
adsorption of alcoholic extracts of organs, 592
analysis of blood antigens with help of hetero-agglutinins, 594
B antigen and B antibodies in man and animals, 430
boiled liquid serum as antigen for preparation of precipitating antiserums, 590
demonstration of antibodies against malignant tumors in blood, 598

Antigens and Antibodies—Continued
effect of dissociation of antigenic behavior of Salmonella and Shigella cultures, 850
effect of reticulo-endothelial cell blockade on formation of antibodies in rabbits, 868
heterophilic antibodies in serum disease, 711
immunization with purified haptens, 589
immunizing ability of adsorbed heterophilic hapten, 593
influence of physicochemical factors on heterophilic antibodies, 429
iso-antigenic properties of casein, 441
precipitin production in rabbits following intramuscular injection of antigen adsorbed by aluminum hydroxide, 712
production of antibodies against carbohydrates (acacia), 595
separation of lipoid haptens with inorganic compounds, 593
serologic specificity of suprarenal medulla, 592
thermostability and nature of antibodies, 428
Antiserum: See under Serum
Antopol, W.: Hypertrophy of heart due to storage of glycogen, 281
Antrum, cancer of antrum and metaplasia, 716
Aorta, abnormalities, congenital heart disease; interventricular septal defect, dextroposition of aorta and dilatation of pulmonary artery, 721
arteriosclerosis of, relation of rheumatic infection to, 113
combined syphilitic and rheumatic disease of aortic valve, report of 3 cases, *729
experimental hypertension and arterial lesions in rabbit, 413
extreme alteration of aortic valve in syphilitic aortitis, 688
gonococcal endocarditis with rupture of aortic valve and death, 690
relation of fatty change of aortic wall to arteriosclerosis, 839
rupture of, 688
rupture, spontaneous, with mucoid degeneration of media, 273
transposition, with congenital anomaly of heart, 581
Aortitis, lesions of pulmonary artery due to syphilitic mesaortitis, 419
syphilitic, alteration of aortic valve in, 688
Apfelbach, C. W.: Arrested development of primary excretory duct, 865
Apoplexy: See Brain, hemorrhage
Appendicitis and angina, 264
Appendix, chromaffin cells of, 579
in prodromal stage of measles, 122, 837
neuromuscular apparatus in chronic appendicitis, 578
Arsenic, effect on lymphoid tissue without germinal centers, 245
experimental studies on poisoning by industrial arsenlureted hydrogen, 438
pulmonary embolism from arsenicals injected intravenously, 414
Arsphenamine and ultraviolet rays, combined action on Spirochaeta pallida, 249
Arteries: See also Aorta; Arteriosclerosis; Blood pressure; Blood vessels; Embolism; Periarteritis; Thrombosis
cerebral, atherosclerosis of, 838
coronary; coronary circulation and angina pectoris in relation to coronary occlusion, 421
coronary; experimental coronary sclerosis, 248
coronary, experimental intimal sclerosis of coronary arteries of rats, *356
coronary occlusion, thrombosis in left ventricle, iliac embolism and gangrene of lower extremities, 718
coronary sclerosis as seen in coroner's office, 437
disease in typhoid fever, 694
disease produced by cholesterol and vitamin D, 106; correction, 451
pulmonary; bone marrow in lungs, 417
Arteries—Continued
pulmonary; congenital heart diseases: interventricular septal defect, dextroposition of aorta, and dilatation of pulmonary artery, 721
pulmonary; hyperplastic sclerosis of pulmonary artery and arterioles, 414
pulmonary, lesions of, due to syphilitic mesaortitis, 419
pulmonary, microincineration studies of human coronary arteries, 251
pulmonary, productive-cicatricial syphilitic disease of, 414
pulmonary; reduplication of right auricle of heart; unusual changes in pulmonic arteries associated with patent foramen ovale, 837
pulmonary, rheumatic lesions in, 418
pulmonary; tuberculous vegetation of trunk of pulmonary artery, 251
Arteriosclerosis and malignant tumors, 125
arterial disease produced by cholesterol and vitamin D, 106
atherosclerosis in dogs, 106
atherosclerosis of cerebral arteries, 838
experimental atherosclerosis in rabbit compared with human (coronary) atherosclerosis, *453
experimental intimal sclerosis of coronary arteries of rats, *356
healing stages of periarteritis nodosa and their relation to juvenile atherosclerosis, 114
incidence and severity in organs from 500 autopsies, 688
prevention of cholesterol atherosclerosis in rabbits, 105
relation of fatty change of aortic wall to, 839
relation of rheumatic infection to arteriosclerosis of aorta, 113
Arthritis, chronic, blood cultures in, 259
experimental, noninfectious, 245
experimental streptococcic, in rabbits, 576
histologic changes in knee joint with advancing age; relation to degenerative arthritis, *516
subcutaneous nodules in rheumatic fever and rheumatoid arthritis, 416
Arthus Phenomenon, hemorrhagic allergy; Shwartzman and Arthus phenomena, 124
tissue culture studies on relation of tuberculin reaction to anaphylaxis and Arthus phenomenon, 708
Asthma, bronchial, changes in elastic tissue of lung in, 109
Astrocytoma of cerebellum; survival for 45 years without operation, 860
Atelectasis: See Lungs, collapse
Atherosclerosis: See Arteriosclerosis
Atlas, malformation of basilar bone associated with osseous union of atlas and skull, 839
Axilla, histology of human apocrine sweat glands, 582

BCG: See under Tuberculosis
Bacilli: See Bacteria
Bacilluria: See Urine, bacteria in
Bacteremia: See Pneumococci; Streptococci; Tuberculosis, bacteremia in; etc.
Bacteria: See also under Diphtheria, bacilli; Tubercle Bacilli; etc.
abortus; differentiation of bovine and porcine strains of Brucella abortus, 260
anaerobic gram-negative bacilli from abscess of lung; toxin production as demonstrated by Shwartzman phenomenon, 118
antigenic qualities of, treated with ultraviolet rays, 430
Clostridium botulinum, growth on synthetic medium, 117
Clostridium sporogenes, vitamin necessary for growth, 702
Clostridium welchii, dissociation of, 852
Clostridium welchii group, multiple toxins produced by some organisms of, 855
Clostridium welchii, variants of, 120

Bacteria—Continued
coli, influencing resistance to Bacillus coli with other bacteria, 857
funduliformis, abscesses of liver caused by bacteroides funduliformis; report of 2 cases, *493
fusiformis, relation of spiral organisms to rough colony of Bacterium fusiformis, 702
hemoglobinophilic, from infantile meningitis, 260
immunological studies with phage-coated bacteria, 852
influence of high frequency displacement currents on, 852
Meningococci: See Meningococci
mycobacteria, dissociation in, 120
Mycobacterium phlei, micromotion pictures of growth of, 701
pneumococci: See Pneumococci
Salmonella: See Salmonella
sarcina; biology of fermenting sarcinae, 266
Shiga: See Dysentery
spreading bacterial factor, 705
Streptococci: See Streptococci
Bactericidal powers of normal serum, 856
Bacteriophage, activity, quantitative determination of, 122
dysentery-coli bacteriophages, classification of, 846
fate of parenterally introduced bacteriophage in body, 266
immunological studies, 852
of Bacillus pertussis, 700
particulate nature of, 697
photodynamic action of methylene blue on, 261
selective action of crystal violet and of brilliant green on, 119
specific soluble substance from, 853
Bacterium: See Bacteria
Bacteriuria: See Urine, bacteria in
Bathing, death during, 273, 274
Beaver, D. C.: Abscesses of liver caused by bacteroides funduliformis; report of 2 cases, *493
Benzene, changes in blood due to xylene, 838
lymphatic leukemia following benzol poisoning, 407
Bile, relation of microliths in bile to changes in liver and gallbladder, 112
spherical microliths of, 258
Bile Ducts, absence of gallbladder and extrahepatic ducts, congenital, 833
hepatic and bile duct changes from obstruction of common bile duct due to pancreatic carcinoma, *362
Bladder, urinary, mixed tumor of, 603
urinary, traumatic intraperitoneal rupture of, 272
Blastoma, extensive blastomatosis of lymphohematopoietic apparatus, 435
Blood: See also Anemia; Erythrocytes; Hemoglobin; Leukemia; Leukocytes
calcium, potassium, and inorganic phosphate content of blood in cancer, 714
changes due to xylene, 838
cholesterol in experimental thyroid disease, 408
coagulation; constitutional thrombopathy (new disease of blood), 107
formation and copper content of chicken embryo, 246
groups, antagonism between red blood cells and organs of rabbit in content of A substance, 594
groups, determination of, by examination of feces, 273
groups; forensic significance of blood types M and N and other types, 439
groups in questions of parentage, 437
groups M and N, tests for, 600
groups; purification of group substance A of human red blood cells, 424
groups, subgroups A_1 and A_2 in investigations of paternity, 272
groups, symposium on forensic value of, 438
groups; technic of determination of M and N groups in blood stains, 273
Blood—Continued
groups, unusual, 267
lipoid substances of blood plasma in blood vessels of different organs, 419
pressure, high; experimental hypertension and arterial lesions in rabbit, 413
pressure, high; question of pressor substance in blood in essential hypertension, 256
protein; distribution of immune bodies in protein fractions of serum, 259
protein; hyperproteinemia in myeloma, 258
relative response to gains and losses, 411
serum, relation between spinal fluid and serum in syphilis, 439
vessels, histologic changes in allergic conditions and their relationship to periarteritis nodosa, 418
vessels, injury by crotalin, 246
vessels, study of vascular anomalies by means of injection and roentgenography, 841
Bogin, M.: Amyloidosis; experimental studies, *50
Bolker, H.: Amyloidosis; experimental studies, *50
Bone, central chondrosarcoma of metaphyses, 431
changes in experimental acidosis, 247
changes in osseous capsule of internal ear in relation to histopathology of skeletal system, 585
Ewing's sarcoma of, histogenesis, 714
formation; gallbladder epithelium as an osteogenic stimulus and physiological differentiation of connective tissue, 409
formation; periosteal bone formation at epiphyseal line in case of congenital syphilis, 694
lymphogranulomatosis of, 586
malignant giant cell tumor, 598
marrow, amyloidosis of, 285, *620
marrow, changes in spleen and marrow in acute carbon monoxide poisoning, 438
marrow; early postmortem changes of megakaryocytes in marrow of rabbit, 418
marrow in lungs, 417
marrow in tularemia, 689
marrow, origin of bone marrow giant cells in extramedullary myelopoiesis, 107
syphilis, 587
Book Reviews:
Anatomy of Rhesus Monkey (Macaca Mulatta); T. H. Bast and others, 450
Atlas of Pathological Anatomy; E. K. Martin, 450
Bacterial Infection, with Special Reference to Dental Practice; J. L. T. Appleton Jr., 138
Biology of Bacteria: an Introduction to General Microbiology; A. T. Henrici, 451
Comptes rendus de la première conférence internationale de pathologié géographique, Genève, 1931, 136
Diet and Teeth: Experimental Study: III. Effect of Diet on Dental Structure and Disease in Man; M. Mellanby, 870
Great Doctors: Biographical History of Medicine; H. E. Sigerist, 139
Histology; S. Ramón y Cajal, 446
Infection chez les insectes; immunité et symbiose; A. Paillot, 449
Metabolic Diseases and Their Treatment; E. Grafe, 726
Normale und pathologische physiologie der Milz; E. Lauda, 137
Number 4 Canadian Hospital; Letters of Professor J. J. Mackenzie from Salonika Front, 447
Outline of Immunity; W. W. C. Topley, 445
Pathologisch-histologischen Untersuchungsmethoden; G. Schmorl, 871
Physical Chemistry of Living Tissues and Life Processes as Studied by Artificial Imitation of Their Single Phases; R. Beutner, 449

Book Reviews—Continued
Poison des amanites mortelles; R. Dujarric de la Rivière, 605
Science of Radiology; edited by O. Glasser, 288
Spezifizität der serologischen Reaktionen; K. Landsteiner, 604
Text-Book of Pathology; R. Muir, 289
Troubles de l'élimination urinaire de l'eau. Etude physiopathologique et clinique; J. Cottet, 448
Venarum Ostiolis 1603 of Hieronymus Fabricius of Aquapendente (1533?-1619); K. J. Franklin, 726
Wilhelm Conrad Röntgen and Early History of Roentgen Ray; O. Glasser, 604

Books Received, 140, 290, 606, 872
Boutonneuse Fever: See Button fever
Brain: See also Cerebellum; Dura Mater; Meninges; etc.
abscess, unusual bacterium in, 266
atherosclerosis of cerebral arteries, 838
behavior of brain extracts in serologic reactions, 591
calcification of dural and cerebral tissue in a hydrocephalic idiot child, 865
cyst; impaction of neuro-epithelial cyst in third ventricle of brain, 835
cyst of roof of third cerebral ventricle, 692
diseases; alcoholic encephalopathy, 415
glioma of cerebral hemispheres, 596
glioma; serologic differentiation between gliomatous and normal cerebral parenchyma, 862
hemorrhage, spontaneous, 421
influence of cerebral development on facial skeleton, 838
megalencephaly with diffuse glioblastomatosis of brain stem and cerebellum, 835
meningioma of left cerebral hemisphere, 602
relation of alterations in brain to hepatic disease, 588
tumor; combination tumor of brain (true angioglioma), 435
tumors of fourth cerebral ventricle, 598
wound; histologic observations in case of old gunshot wound of brain, *10
Branchial apparatus; branchiogenic carcinoma in horse, 597
Breasts, cancer, histological factors in prognosis of, 713
carcinoma, histologic grading of, 713
carcinosarcoma of, 719
fibro-adenoma containing carcinoma and cartilage, 720
mixed tumor in dogs, 716
Bright's Disease: See Nephritis
Bronchi, cancer; frequency of bronchial and pulmonary cancers in 1925-1931, 126
Brown, C. E.: Acute amebic dysentery, 868
Brucella: See under Bacteria
Brunner's Glands: See under Duodenum
Burch, J. C.: Endometrial hyperplasia, *799
"Button fever," designation "fievre boutonneuse," 263
dog and "button fever" virus, 263
Boutonneuse and Rocky Mountain spotted fever, 702

Cadaver, demonstration of carbon monoxide in exhumed cadaver, 272
Calcification, metastatic, in myelogenous leukemia, 252
Calcium metabolism; action of vitamin D and of parathyroid hormone on calcium metabolism as interpreted by studying effect of single doses on calcification of dentin, *22
Calculi: See Gallbladder, calculi; etc.
Cancer: See also Sarcoma; Tumors, etc.; and under names of organs and regions
and arteriosclerosis, 125
atypical epithelium and malignant new growths, 128
calcium, potassium, and inorganic phosphate content of blood in, 714
cancerigenic principle of oils and fats, 128
Cancer—Continued
cell changes in anterior hypophysis after cancer implantation in rats, 859
cells of serous effusions, 859
collision, and sarcoma, 597
complement fixation test in, 861
cytodiagnosis of malignancy in puncture fluids and secretions, 126
diagnosis by photometric determinations in venous blood, 127
mortality, seasonable fluctuations in, 715
nasopharyngeal, 860
relations between benign and malignant new growths, 128
reliability of statistics on, 599
significance of spleen in growth and metabolism of malignant tumors, 434
tar, experimental epithelial growths in lung after insufflation of tar, 271
tar, in mice on diets supplemented with fresh liver, 714
what should be meant by term "precancer," 599
Cannon, P. R.: Occurrence and significance of germinal centers (Flemming) in human spleen, 863
Carbon Monoxide, demonstration in exhumed cadaver, 272
poisoning, acute, changes in spleen and marrow in, 438
Carcinosarcoma: See Tumors, mixed
Carotid sinus, effect on reflexes of raising intracranial pressure, 409
Carriers, filtrable virus carriers, 700
Casein, immunology of, 257
iso-antigenic properties of, 441
Cataract in rabbits exposed to herpes, 262
Cavernoma, multiple, of pleura, 436
Cerebellum, astrocytoma of, survival for 45 years without operation, 860
localization and development of melanic cells of human cerebellum, 255
megalencephaly with diffuse glioblastomatosis of brain stem and cerebellum, 835
structural changes in granular layer of, *206
Cerebrospinal Fluid, behavior of brain extracts in serologic reactions, 591
meningococcus precipitinogens in, 707
postmortem changes in, 268
relation between spinal fluid and blood serum in syphilis, 439
tests, comparison of extracts of Sachs-Witebsky with own extracts for citochol reaction, 276
Chancre, sporotrichotic, 695
Chickenpox, agglutination in, 267
relationship between zoster and varicella as shown by complement fixation, 702
Cholecystitis: See under Gallbladder
Cholelithiasis: See Gallbladder, calculi
Cholesterol, arterial disease produced by cholesterol and vitamin D, 106; correction, 451
prevention of cholesterol atherosclerosis in rabbits, 105
Chondroma, so-called, of lung, 431
Chondrosarcoma, central, of metaphyses, 431
Chordoma, sacral, regression of sacral intervertebral disks and its possible relation to, 692
spheno-occipital, 860
Chorea, rheumatic, vascular changes of central nervous system in, 584
Chorion, age of pregnancy; histologic diagnosis from percentage of erythroblasts in chorionic capillaries, *648
Choroid, sarcoma of, 602
Choroid Plexus, tumors of; ependymomas and neuro-epitheliomas, 436
Christian-Schüller Syndrome: See Schüller-Christian Syndrome
Chromaffin cells of appendix, 579
Cicatrix, recurrent endometriosis of laparotomy scar, 115
Cisterna magna puncture, injury of medulla in, 437
Citochol: See Syphilis, serodiagnosis

Clemmer, J. J.: Coronary occlusion; thrombosis in left ventricle, iliac embolism and gangrene of lower extremities, 718
Clostridium: See under Bacteria
Cockroach as possible carrier of tuberculosis, 844
Colloid-chemical properties of some protein-amine compounds, *324
Colon, fibromyoma of ascending colon, 717
Complement, behavior of complement and of its components during adsorption and elution, 595
Fixation Tests: See Leprosy; Syphilis; Tuberculosis; etc.
fractions of; fourth and fifth fractions, 429
inactivation of complement with poison of snake Bothrops, 425
some qualities of thermostable components of complement, 427
thermostability and nature of complement, 428
Copper, blood formation and copper content of chicken embryo, 246
Cornea, tuberculosis, cellular reaction in, 253
tuberculosis, origin of epithelioid cell in, 253
Coroner's statistics from Cook County (Chicago), Illinois, *775
Corpus callosum, degeneration in hydrocephalus, 109
Coryza: See Respiratory Tract, disease
Courville, C. B.: Histologic observations in case of old gunshot wound of brain, *10
Cowpox, complement fixation in, 851
Cranium, congenital localized osteomyelitis of skull, 840
effect on reflexes of carotid sinus of raising intracranial pressure, 409
influence of cerebral development on facial skeleton, 838
malformation of basilar bone associated with osseous union of atlas and skull, 839
Paget's disease of skull, porotic form of, 692
Crotalin, injury to blood vessels by, 246
Culture Medium: See Medium
Curtis, S. H.: Sarcoma of choroid, 602
Cystadenoma, diffuse, of pancreas, 431
Cysts, epidermal, following injection of irradiated ergosterol, 115
in large myoma undergoing sarcomatous change, 866
of posterior roots of spinal nerves, 582
of roof of third cerebral ventricle, 692

Dementia Paralytica: See Paralysis, general
Dentin, action of vitamin D and of parathyroid hormone on calcium metabolism as interpreted by studying effect of single doses on calcification of dentin, *22
Dermatosis, exfoliative, and malignant erythrodermia, 413
Diabetes Mellitus, inactivation of insulin by normal and diabetic blood, 574
pancreatic islets of new-born infant of diabetic mother, 691
Diet, relation between acid or alkaline diet and immunity, 269
some abnormalities in rats subsisting on diets poor in mineral nutrients, *40
Digestive Tract, carcinoma of alimentary tract at early ages, 599
Diphtheria antitoxin, flocculation time during immunization of horses for, 425
antitoxin, influence of venesection on titer of, 590
antitoxin, stimulating effect of tapioca on production of, 427
bacilli; stability of mitis, intermediate and gravis types of B. diphtheriae, 846
cardiac changes in, 584
Corynebacterium diphtheriae, serological grouping of starch fermenting strains of C. diphtheriae, 855
like organisms from nasopharynx, 122
toxin, influence of formaldehyde on, 428
toxin, origin of, 426
toxin, production, properties and action of concentrated toxoid, 425
Diphtheria—Continued
toxoid, mechanism of formation of anatoxin, 590
toxoid, precipitated, 710
toxoid, purification of, 713
Dixon, H. M.: Chemotropism of leukocytes in vitro; attraction by dried leukocytes, paraffin, glass and Staphylococcus albus, *667
Ductus arteriosus, rupture of, 438
Duodenum, functions of Brunner's glands and pyloric end of stomach, 575
Dura Mater, calcification of dural and cerebral tissue in a hydrocephalic idiot child, 865
Dwarfism due to congenital syphilis of hypophysis, 116
renal dwarfism and renal rickets, 586
Dyes: See Stains and Staining
Dysentery, acute amebic dysentery, 868
classification of dysentery-coli bacteriophages, 846
effect of dissociation on antigenic behavior of Salmonella and Shigella cultures, 850

Ear, absence; 7 prehistoric American skulls with complete absence of external auditory meatus, 254
internal; changes in osseous capsule of internal ear in relation to histopathology of skeletal system, 585
Eclampsia, renal lesions in eclampsia and nephritis of pregnancy, 690
Edema, experimental edema; further experiments on type of edema produced by diet low in protein, *152
Embolism, bullet embolus of pulmonary artery, 274
coronary, 250
coronary occlusion, thrombosis in left ventricle, iliac embolism and gangrene of lower extremities, 718
heart in deaths due to embolism and thrombosis, 583
pulmonary, from arsenicals injected intravenously, 414
Embryology, blood formation and copper content of chicken embryo, 246
Encephalitis, cataphoretic velocity of streptococci in encephalitis and other diseases of nervous system, 118
demonstration of micro-organisms in epidemic encephalitis (St. Louis epidemic), 278
Endocarditis, acute pneumococcic endocarditis in early infancy, 721
gonococcal, 695
gonococcal, prognosis in, 695
gonococcal, with rupture of aortic valve and death, 690
lenta, histology of valvular lesions of, 583
rheumatic manifestations in subacute bacterial endocarditis in children, 842
Endocrine Glands and estrus cycle, relation between, 109
Endometriosis, recurrent, of laparotomy scar, 115
Endometrium, hyperplasia, *799
Endomyocarditis: See Myocarditis
Endothelioma, lymphomatosis and endothelioma of chickens caused by filterable agent, 696
Endothelium, phagocytic activity of capillary endothelium, 266
Ependymomas and neuro-epitheliomas of choroid plexus, 436
Epinephrine: See Suprarenal Preparations
Epiploitis: See under Omentum
Epithelioma, calcified, of skin, 128, 596
Epithelium, atypical epithelium and malignant new growths, 128
origin and pathologic significance of epithelium found about roots of teeth, 130
Ergosterol, epidermal cysts following injection of irradiated ergosterol, 115
toxic effects of irradiated sterols, 108
Erysipelas, comparative studies of purified toxins of streptococci of scarlet fever and of erysipelas, 590
Erythroblasts, age of pregnancy; histologic diagnosis from percentage of erythroblasts in chorionic capillaries, *648

Erythrocytes, isolation of group-specific agglutinogens of erythrocytes, 125
structure and function of filaments produced by living red corpuscles, 833
Erythrodermia, exfoliative dermatosis and malignant erythrodermia, 413
Erythroleucoblastosis: See Hematopoietic System
Esophagus, anatomic study of esophageal hiatus of diaphragm, 693
hypertrophy of esophagus and stomach in Recklinghausen's neurofibromatosis, 115
Estruation, relation between endocrine glands and estrus cycle, 109
Ether, isolation of ether from human tissues, *510
Eucalyptus, effects of inhalation of eucalyptol on tuberculous guinea-pigs infected intratracheally, 424
Extremities, artificial; histopathology of marginal nodules caused by prosthesis of lower limb, 112

Face, unusual anomaly of face in anencephalic monster, 587
Farquhar, L. R.: Some abnormalities in rats subsisting on diets poor in mineral nutrients, *40
Fats, cancerigenic principle of oils and fats, 128
morphologic change in fat tissue produced by insulin in malnutrition, 416
subcutaneous fat necrosis of new-born, 255
Feces, action of fecal extracts on antigens, 427
determination of blood groups by examination of, 273
Feldman, W. H.: Subcutaneous tuberculoid lesion of cattle; morphologic study, *533
Fetus, fetal endomyocarditis; intrauterine infection as cause of congenital cardiac anomalies, 833
pathology, congenital atresia of larynx with hypertrophy of lungs and generalized hydrops, 587
Fever, Boutonneuse: See Button fever
Fibrin, specificity of fibrin, 426
Fibrinogens, specificity of, 257
Fibro-adenoma of breast containing carcinoma and cartilage, 720
Fibroblasts: See Tissue
Fibroma, unusual lipoid change in ovarian fibroma, 602
Fibromyoma; fibromyxomatous hyperplasia of mitral valve, 583
of ascending colon, 717
Fièvre boutonneuse: See Button fever
Fischer, M. H.: Colloid-chemical properties of some protein-amine compounds, *324
Effects of oxyacids and hydroxyacids on protein swelling, *615
Fishback, H. R.: Analysis of coroner's statistics from Cook County (Chicago), Illinois, with pathologic review of causes of death, *775
Flies, inheritance of focal melanosis in drosophilia, *638
Fluids, group-specific qualities in saliva and other body fluids and demonstration of 2 types of eliminators of group-specific qualities, 424
Fluoride, histology of certain organs and teeth in chronic toxicosis due to fluorine, *169
poisoning, 272
Fluorine: See under Fluoride
Food, influence of food on healing process of wounds in stomach, 107
poisoning due to Salmonella, 701
Foramen ovale, patent, associated with reduplication of right auricle of heart and unusual changes in pulmonic arteries, 837
Formaldehyde, action of formaldehyde on different antibody functions, 429
Fowl plague, size of virus of fowl plague estimated by ultra-filtration, 703
virus disease of canary of fowl-pox group, 845
Fried, B. M.: Lungs and macrophage system, *76

Gallbladder, absence of gallbladder and extrahepatic ducts, congenital, 833
calculi; mechanism of formation of pure cholesterol gallstones, *1
epithelium as an osteogenic stimulus and physiological differentiation of connective tissue, 409
relation of hepatitis to cholecystitis, 689
relation of microliths in bile to changes in liver and gallbladder, 112
Ganglioneuromas, myelin sheaths in, 862
metastasizing, of sympathetic system, 434
Gangrene, arterial disease in typhoid fever, 694
coronary occlusion, thrombosis in left ventricle, iliac embolism and gangrene of lower extremities, 718
Gastric Ulcer: See Peptic Ulcer
Gastro-Intestinal Tract, extensive necrosis of intestinal tract in agranulocytosis, 584
metastasizing neurinomas of, 2 cases, 431
Gaucher's Disease: See Anemia, splenic
Genitalia, cancer of female genitalia in children, 128
Genito-Urinary Tract, arrested development of primary excretory duct, 865
Gerber, I. E.: Amyloidosis of bone marrow, 285, *620
Germinal centers of Fleming, 420
Gettler, A. O.: Isolation of ether from human tissues, *510
Glia: See Neuroglia
Glioblastoma, megalencephaly with diffuse glioblastomatosis of brain stem and cerebellum, 835
Glioma, meningeal, diffuse gliomatosis and hereditary neurofibroma, 271
morphology of, 596
of cerebral hemispheres, 596
serologic differentiation between gliomatous and normal cerebral parenchyma, 862
Glycogen, congenital glycogenic hypertrophy of heart, 281, 577
Glycogenosis, 577
Gold, quantitative spectrographic determination of gold in tissues, 258
Gonads, concentration of gonadotropic hormone in pregnant mare's serum, 410
Gonococci, endocarditis due to, 695
endocarditis due to, prognosis in, 695
endocarditis due to, with rupture of aortic valve, 690
meningitis due to, 701
meningitis due to, in new-born infant, 695
Gout, early changes and evidences of late resorption in lesions of gout, 580
Gowen, J. W.: Inheritance of focal melanosis in drosophilia, *638
Granulomas, mucous granulomas in salivary glands and in mucosa of stomach, 418
Gray, G. R.: Mechanism of formation of pure cholesterol gallstones, *1
Grayzel, H. G.: Amyloidosis; experimental studies, *50
Growth, principle accelerating growth and maturation demonstrated in metastases of tumor of thyroid, *631
significance of sulphydryl as growth factor, *218
Gruenfeld, G.: Nature of so-called xanthoma; critical review, *546
Guarnieri bodies, source of, 423
Guttman, P. H.: Multiple necroses of spleen (flecked spleen of Feitis) with reference to associated renal lesions, *187

Ham, A. W.: Action of vitamin D and of parathyroid hormone on calcium metabolism as interpreted by studying effect of single doses on calcification of dentin, *22
Experimental intimal sclerosis of coronary arteries of rats, *356
Hankele, E. R.: Proliferative reaction on guinea-pig skin to sulphydryl and its relation to neoplasia, *764
Hanzal, R. F.: Urea clearance after unilateral nephrectomy in dogs, *46
Haptens: See Antigens and Antibodies

Hartman, F. L.: Acute amebic dysentery, 868
Hatton, E. H.: Origin and pathologic significance of epithelium found about roots of teeth, 130
Hay fever reagin-allergen, 853
Head, megalencephaly with diffuse glioblastomatosis of brain stem and cerebellum, 835
Heart: See also Endocarditis; Mitral Valve; Myocarditis; Pericarditis
anomalies, malformations of heart of new-born; congenital lesions suggestive of an inflammatory origin, *311
anomalies; reduplication of right auricle of heart; unusual changes in pulmonic arteries associated with patent foramen ovale, 837
anomaly, congenital, of heart with transposition of aorta, 581
atresia of tricuspid orifice, 833
block, complete heart-block in hyperthyroidism following acute infections, 407
block, congenital, 416
calcification of cardiac skeleton, 691
changes in diphtheria, 584
changes in hyperthyroidism, 841
changes in myocardium of rabbits from augmenting heart rate mechanically and from induced hyperthyroidism, *333
congenital heart disease: interventricular septal defect, dextroposition of aorta, and dilatation of pulmonary artery, 721
coronary circulation and angina pectoris in relation to coronary occlusion, 421
effects of x-rays on lungs and heart, 258
epithelial cyst of heart, 434
experimental production of rheumatic lesions in heart and in joints, 244
glycogenic hypertrophy of heart, congenital, 281, 577
in deaths due to embolism and thrombosis, 583
localization of rheumatic lesions in, 839
disease, rheumatic, without valvulitis, 689
rupture, multiple, by indirect trauma, 250
rupture, spontaneous, 252
significance of lesions of heart muscle in angina pectoris, 421
weights, 834
Heilbrunn, J.: Hypertrophy of heart due to storage of glycogen, 281
Hemagglutinins: See Agglutination
Hemangio-endothelioma of liver, 858
Hemangioma, cavernous hemangioma of suprarenals, 862
compression of cord by vertebral hemangioma, 580
Hematopoietic System; erythroleucoblastosis in newborn, 408
hematopoiesis in axoloti after removal of external zone of liver, 106
morphologic changes in hematopoietic organs following acute loss of blood, 418
Hemochromatosis, failure of administration of iron to cause hemochromatosis, 412
Hemoglobin, formation of green pigment from haemoglobin by pneumococcus, 845
Hemolysin; streptolysins, 706
Henthorne, J. C.: Abscesses of liver caused by bacteroides funduliformis; report of 2 cases, *493
Hepatitis: See Liver
Hernia, acquired diaphragmatic hernia of stomach, 693
Herpes, cataract in rabbits exposed to, 262
zoster, relationship between zoster and varicella as shown by complement fixation, 702
High frequency currents; influence of high frequency displacement currents on bacteria, 852
Hobmaier, M.: Metamorphosis of Metastrongylus larvae and mesenteric lymph glands, *769
Hodgkin's Disease: See Lymphogranuloma
Hormone, concentration of gonadotropic hormone in pregnant mare's serum, 410
Hueper, W. C.: Significance of sulphydryl as growth factor, *218
Humerus, subleukemic reticulo-endotheliosis terminating in reticulo-endothelial sarcoma of, 432
Humphreys, E. M.: Atypical amyloidosis, 134
Hydrocephalus, calcification of dural and cerebral tissue in a hydrocephalic idiot child, 865
degeneration of corpus callosum in, 109
Hydrophobia: See Rabies
Hydrops, congenital atresia of larynx with hypertrophy of lungs and generalized hydrops, 587
Hydroxyacids and oxyacids, effects of, on protein swelling, *615
Hypersensitiveness: See Anaphylaxis and Allergy
Hypertension: See Blood pressure, high
Hyperthyroidism: See Thyroid
Hypervitaminosis: See Vitamins

Icterus: See Jaundice
Idiocy, calcification of dural and cerebral tissue in hydrocephalic idiot child, 865
Illuminating Gas: See Carbon Monoxide
Immunity and anaphylaxis, 427
distribution of immune bodies in protein fractions of serum, 259
Grundfragen der Immunbiologie und Allergielehre, 124
influence of testicle extract on effect of toxins, bacteria and viruses and on Shwartzman and Arthus phenomena, 708
persistence of immunity after abolition of allergy by desensitization, 704
relation between acid or alkaline diet and immunity, 269
Shwartzman phenomenon, 269, 712, 852
Shwartzman phenomenon, anaerobic gram-negative bacilli from abscess of lung; toxin production as demonstrated by Shwartzman phenomenon, 118
Shwartzman phenomenon, hemorrhagic allergy: II. Shwartzman and Arthus phenomena, 124
Indol, experimental production of leukemia and lymphosarcoma in mice by chronic poisoning with indol, 247
Industrial Diseases, experimental studies on poisoning by industrial arsenureted hydrogen, 438
Infant, new-born, malformations of heart of new-born; congenital lesions suggestive of an inflammatory origin, *311
new-born, subcutaneous fat necrosis of new-born, 255
pancreatic islets of new-born infant of diabetic mother, 691
Infections, complete heart-block in hyperthyroidism following acute infections, 407
Infectious diseases; Grundfragen der Immunbiologie und Allergielehre, 124
Influenza, action of type-specific serum against Hæmophilus influenzae, 708
Insulin, inactivation of insulin by normal and diabetic blood, 574
morphologic change in fat tissue produced by insulin in malnutrition, 416
Internal Secretions: See Endocrine Glands
Intestines, cancer, primary, of Meckel's diverticula, 716
cysts and diverticula of intestinal origin, 250
diverticula; primary carcinoma of Meckel's diverticulum, 716
hemorrhage, unusual, fatal, 110
persistent enteric mucosa at umbilicus, 720
rhinoscleroma, 840
tuberculosis in guinea-pig, relation of vitamin C deficiency to, 699
Iron, failure of administration of iron to cause haemochromatosis, 412
Irwin, R. L.: Histologic changes in knee joint with advancing age; relation to degenerative arthritis, *516
Islands of Langerhans: See Pancreas

Jacobi, M.: Amyloidosis; experimental studies, *50
Jacobsen, V. C.: Fatal erythroblastic anemia, 601

Jacobsen, V. C.—Continued
Melanin; its mobilization and excretion in normal and in pathologic conditions, *141
Melanin; review of chemical aspects of melanin problems, *391
Primary carcinoma of lung, 717
Jaundice, experimental studies on pathogenesis of jaundice caused by phenylhydrazine, 244
liver in fatal case of epidemic "catarrhal" jaundice, 120
problem of jaundice caused by tolylenediamine, 576
Johnston, A. R.: Colloid-chemical properties of some protein-amine compounds, *324
Joints, experimental production of rheumatic lesions in heart and in joints, 244
Jones, N. W.: Changes in myocardium of rabbits from augmenting heart rate mechanically and from induced hyperthyroidism, *333
Jones, O. N.: Changes in myocardium of rabbits from augmenting heart rate mechanically and from induced hyperthyroidism, *333

Karsner, H. T.: Urea clearance after unilateral nephrectomy in dogs, *46
Keefer, C. S., Histologic changes in knee joint with advancing age; relation to degenerative arthritis, *516
Kellert, E.: Meningioma of left cerebral hemisphere, 602
Osteitis fibrosa associated with parathyroid adenoma, 718
Unusual lipoid change in ovarian fibroma, 602
Kenny, F. E.: Acute pneumococcic endocarditis in early infancy, 721
Kidney, amyloid disease of, 252
contracted kidney due to pyelonephritis, 835
contracted kidney due to sclerosis of medulla, 589
diseases; classification of nephrosis, 582
efficiency of kidney in compensatory hypertrophy, 246
influence of salt solutions on renal tissue, 576
interpretation of renal changes in lipoid nephrosis, 690
lesions associated with multiple myeloma, 688
lesions in eclampsia and nephritis of pregnancy, 690
lesions in hypervitaminosis, 412
lipoid nephrosis, 109
lymphoid tissue in substance of kidney, 836
methods and effects of increasing urinary constituents in body, 411
multiple necrosis of spleen (flecked spleen of Feitis) with reference to associated renal lesions, *187
necrosis; symmetrical cortical necrosis of kidney, 841
permeability of kidney to bacteria, 842
specific lesions of kidney and liver induced by cytotoxic serums, 267
urea clearance after unilateral nephrectomy in dogs, *46
Kimball, T. S.: Histologic observations in case of old gunshot wound of brain, *10
Klinck, G. H. Jr.: Melanin; its mobilization and excretion in normal and in pathologic conditions, *141
Mixed tumor of urinary bladder, 603
Primary carcinoma of lung, 717
Knee, histologic changes in knee joint with advancing age; relation to degenerative arthritis, *516
Köhler's Disease: See Metatarsus
Kolmer, J. A.: Immunization of monkeys against acute anterior poliomyelitis with reference to oral immunization, 869
Kronfeld, R.: Rare dental anomaly ("dens in dente"), 277

Lamb, A. R.: Histology of certain organs and teeth in chronic toxicosis due to fluorine, *169
Larynx, atresia, congenital, 692
atresia, congenital, with hypertrophy of lungs and generalized hydrops, 587
Lead poisoning, changes in nervous system in lead poisoning, 584
Leary, T.: Experimental atherosclerosis in rabbit compared with human (coronary) atherosclerosis, *453
Lebowich, R. J.: Fibromyoma of ascending colon, 717
Lecithin, synthetic, and its antiserums, 428
Lederer, M.: Lipoid pneumonia, *160
Leprosy, comparative complement-fixation tests in leprosy, tuberculosis and syphilis, 430
Leukemia, monocytic, 863
experimental production of leukemia and lymphosarcoma in mice by chronic poisoning with indol, 247
familial occurrence of, 249
lymphatic, following benzol poisoning, 407
myelogenous, metastatic calcification in, 252
relation between fowl leukosis and sarcoma, 862
systemic reticulo-endothelial hyperplasia with tumor-like formations in case of chronic lymphatic leukemia, 436
Leukocytes, chemotropism of leukocytes in vitro; attraction by dried leukocytes, paraffin, glass and Staphylococcus albus, *607
Levine, V.: Monocytic leukemia, 863
Lewis, J. H.: Iso-antigenic properties of casein, 441
Lewis, M. D.: Experimental intimal sclerosis of coronary arteries of rats, *356
Lieber, M. M.: Hepatic and bile duct changes from obstruction of common bile duct due to pancreatic carcinoma, *362
Lipoid, cortical lipoid of mouse suprarenal after unilateral suprarenalectomy, 412
menstrual cycle and lipoid content of uterine mucous membrane, 839
of tumors of skin, 596
pneumonia, *160
substances in cells of mesenchymal origin, 691
unusual lipoid change in ovarian fibroma, 602
Liver, abscesses caused by bacteroides fundulifformis, report of 2 cases, *493
alcoholic cirrhosis and phosphorus, 408
atrophy; histology and etiology of subacute yellow atrophy of liver in children, 419
cysts, ciliated epithelial cyst of liver, 715
hemangio-endothelioma of, 858
hematopoiesis in axolotl after removal of external zone of liver, 106
hepatic and bile duct changes from obstruction of common bile duct due to pancreatic carcinoma, *362
in fatal case of epidemic "catarrhal" jaundice, 120
infectious cirrhosis, report of case, 277
nuclear inclusions in liver in Rift Valley fever, 702
phosphatase in tumors, 271
relation of alterations in brain to hepatic disease, 588
relation of hepatitis to cholecystitis, 689
relation of microliths in bile to changes in liver and gallbladder, 112
specific lesions of kidney and liver induced by cytotoxic serums, 267
Lung abscess, anaerobic gram-negative bacilli from abscess of lung; toxin production as demonstrated by Shwartzman phenomenon, 118
and macrophage system, *76
cancer, 129
cancer, frequency of, 125
cancer; frequency of bronchial and pulmonary cancers in 1925-1931, 126
cancer; increase of pulmonary cancer and its pathogenesis, 127
cancer, increased incidence of, 126
cancer, primary, 717
cancer; so-called alveolar cell carcinoma of lung, 441
changes in elastic tissue of lung in bronchial asthma, 109
chondroma of lung, so-called, 431
collapse; vascular changes in chronic experimental atelectasis, 443

Lung—Continued
congenital atresia of larynx with hypertrophy of lungs and generalized hydrops, 587
cystic disease of lung, congenital, 254
diseases of lungs in new-born associated with aspiration of amniotic fluid, 420
effect of x-rays on lungs and heart, 258
experimental epithelial growths in lung after insufflation of tar, 271
fibrous induration of hilar lymph nodes of lung, 581
Hodgkin's disease in lung, 282
massive anemic necrosis of lung in pneumonia, 841
Tuberculosis: See Tuberculosis, pulmonary
varix of pulmonary vein, 135
Lux, L.: Subcutaneous nodules induced by injection of Streptococcus viridans; specificity of lesion and origin of polyblasts, *652
Lymph Nodes, effect of arsenic on lymphoid tissue without germinal centers, 245
extensive blastomatosis of lymphohematopoietic apparatus, 435
fibrous induration of hilar lymph nodes of lung, 581
metamorphosis of Metastrongylus larvae and mesenteric lymph glands, *769
Lymphogranuloma, biologic test for Hodgkin's disease, 574
inguinale, 696
inguinale, cultivation of virus of inguinal lymphogranuloma, 264
Hodgkin's disease in lung, 282
Hodgkin's disease; search for infective agent and attempts at experimental reproductions, *749
lymphogranulomatosis of bone, 586
lymphogranulomatosis of stomach and xanthomatosis of mesentery, 842
lymphogranulomatosis of uterus, 693
lymphogranulomatosis of vertebral column, 840
Lymphoid tissue in substance of kidney, 836
Lymphoma, experimental studies on lymphomatosis of mice, 858
lymphomatosis, myelomatosis and endotheliomа of chickens caused by filterable agent, 696
Lymphosarcoma, experimental production of leukemia and lymphosarcoma in mice by chronic poisoning with indol, 247

McCutcheon, M.: Chemotropism of leukocytes in vitro; attraction by dried leukocytes, paraffin, glass and Staphylococcus albus, *607
Macroglossia: See Tongue
Macrophage, lungs and macrophage system, *76
Macy, J. W.: Abscesses of liver caused by bacteroides funduliformis; report of 2 cases, *493
Mad Itch: See Pseudorabies
Malaria, cause of positive Wassermann reaction in, 431
Malta Fever: See Undulant Fever
Matthews, W. B.: Unusual peptic ulcers of greater curvature of stomach, 444
Measles, involvement of appendix in prodromal stage of, 122, 837
Meckel's Diverticulum: See Intestine, diverticula
Medium: See also under names of Bacteria, i.e., Tubercle Bacilli; etc.
importance of adequate reduction of peptone in preparation of media for pneumococcus and other organisms, 274
Medulla oblongata, injury of medulla in puncture of cisterna magna, 437
Megakaryocytes: See Bone marrow
Megalencephaly: See Head
Melanin, inheritance of focal melanosis in drosophila, *638
localization and development of melanic cells of human cerebellum, 255
melanogenesis with reference to sulphydrils and protamines, 256
mobilization and excretion in normal and in pathologic conditions, *141
Melanin—Continued
review of chemical aspects of melanin problem, *391
Meinick, P. J.: Retothel sarcoma, 134
Meninges, hereditary neurofibroma and diffuse meningeal gliomatosis, 271
moniliasis with meningeal involvement, 700
Meningioma of left cerebral hemisphere, 602
Meningitis, gonococcic, 701
gonococcic, in new-born infant, 695
hemoglobinophilic bacilli from infantile meningitis, 260
pathogenesis of meningococcic meningitis, 847
purulent, due to Bacillus enteritidis, 266
quick diagnosis in epidemic cerebrospinal meningitis, 439
Meningococcus, antigenic complex of meningococcus, 707
precipitinogens in cerebrospinal fluid, 707
toxin, 591
variation in stock cultures of meningococci, 703
Meningo-Encephalitis: See Encephalitis; Meningitis
Menne, F. R.: Changes in myocardium of rabbits from augmenting heart rate mechanically and from induced hyperthyroidism, *333
Menstruation, menstrual cycle and lipoid content of uterine mucous membrane, 839
Mercurosal: See Salyrgan
Mesaortitis: See Aortitis
Mesentery, lymphogranulomatosis of stomach and xanthomatosis of mesentery, 842
melamorphosis of Metastrongylus larvae and mesenteric lymph glands, *769
Mesoderm; lipoid substances in cells of mesenchymal origin, 691
Mesoglia: See Neuroglia
Metastrongylus larvae; metamorphosis of Metastrongylus larvae and mesenteric lymph glands, *769
Metatarsus, Köhler's disease of tarsal navicular bone in identical twins, 691
Methylene Blue: See Methylthionine chloride
Methylthionine chloride, photodynamic action of methylene blue on bacteriophage, 261
chloride, photodynamic action of methylene blue on certain viruses, 261
Metrazol, pentamethylenetetrazol poisoning, 600
Microglia: See Neuroglia
Milles, G.: Principle accelerating growth and maturation demonstrated in metastases of tumor of thyroid gland, *631
Minerals in silicotic lungs, 256
some abnormalities in rats subsisting on diets poor in mineral nutrients, *40
Mitral Valve, fibromyxomatous hyperplasia of mitral valve, 583
relative frequency of calcification of mitral ring, 579
Moniliasis with meningeal involvement, 700
Monocytes: See Leukocytes
cultivation of monocytes in fluid medium, 410
Mononucleosis, infectious, diagnostic test for, 704
Monster, unusual anomaly of face in anencephalic monster, 587
Moolten, S. E.: Hodgkin's disease in lung, 282
Moore, R. A.: Urea clearance after unilateral nephrectomy in dogs, *46
Mosquitoes, titration of yellow fever virus in Stegomyia mosquitoes, 849
Moving pictures; micromotion pictures of growth of Mycobacterium phlei, 701
Müller's duct, anomalies of müllerian duct, 588
Mulrooney, M.: Effect of reticulo-endothelial cell blockade on formation of antibodies in rabbits, 868
Mycobacteria: See under Bacteria
Mycosis fungoides, 413
Myelin sheaths in ganglioneuromas, 862
Myeloma, hyperproteinemia in myeloma, 258
lymphomatosis, and endotheliomа of chickens caused by filterable agent, 696
renal lesions associated with multiple myeloma, 688

Myers, W. K.: Histologic changes in knee joint with advancing age; relation to degenerative arthritis, *516
Myoblastoma associated with squamous cell carcinoma of tongue, 432
Myocarditis, fetal, endomyocarditis; intrauterine infection as cause of congenital cardiac anomalies, 833
Myocardium changes from augmenting heart rate mechanically and from induced hyperthyroidism, *333
Myoclonus, palatal myoclonus, 415
Myoma, cyst in large myoma undergoing sarcomatous change, 866
Myxosarcoma, Fujinami myxosarcoma in ducks, 861

Nasopharynx carcinoma, 860
diphtheria-like organisms from, 122
Neck, congenital vertebral deformity with absence of, 111; correction, 243
Negri Bodies: See Rabies
Neiman, B. H.: Varix of pulmonary vein, 135
Nephelometry, examination of extracts for Wassermann reaction by means of nephelometry, 275
Nephrectomy: See under Kidney
Nephritis: See under Kidney
Nephrosis: See under Kidney
Nerves in tumors, 716
spinal; cysts of posterior roots of spinal nerves, 582
Nervous System, changes in nervous system in lead poisoning, 584
involvement of central nervous system in case of generalized xanthomatosis (Schüller-Christian's disease), 111
lesions caused by certain neurotoxic phenol esters, 417
lesions of nervous system in rats on a diet low in vitamin A, 416
Syphilis: See Syphilis
vascular changes of central nervous system in rheumatic chorea, 584
xanthomatosis and central nervous system (Schüller-Christian syndrome), 834
Neurinomas, two cases of metastasizing neurinomas of gastro-intestinal tract, 431
Neuro-epitheliomas, tumors of choroid plexus, ependymomas and neuro-epitheliomas, 436
Neurofibroma: See Spinal Cord, tumors
Neurofibromatosis, changes in nerves, skin and bones in Recklinghausen's neurofibromatosis, 115
congenital neurofibromatous macroglossia, 433
hypertrophy of esophagus and stomach in Recklinghausen's neurofibromatosis, 115
Neuroglia, staining of oligodendroglia and of microglia in celloidin sections, 274
syncytial structure of glia, 582
Neurosyphilis: See under Syphilis
New-Born: See under Infant
Niemann-Pick's Disease and other forms of so-called xanthomatosis, 251
increase in phosphatide in, 259
Nocardiosis cutis gangrenosa, 255
Nodules, histopathology of marginal nodules caused by prosthesis of lower limb, 112
subcutaneous, induced by injection of Streptococcus viridans, *652
Nose, congenital maldevelopments, 110
polyps, cytology of, 442
unusual anomaly of face in anencephalic monster, 587

Obituaries:
McNabb, Paul Edgar, 405
Welch, William Henry, 829

Oils, cancerigenic principle of oils and fats, 128
O'Leary, J. L.: Histology of adenoma of islets of Langerhans, *291
Oligodendroglia: See Neuroglia
Omentum, pathogenesis of epiploitis, 694
pathologic histology of, 836
Ophthalmia, sympathetic, origin and nature of, *663
Osteitis deformans; porotic form of Paget's disease of skull, 692
fibrosa associated with parathyroid adenoma, 718
fibrosa, intrathyroid parathyroid tumor and generalized fibrocystic osteitis, 247
Osteomyelitis, congenital localized osteomyelitis of skull, 840
Osteosclerosis pseudoleukemia, 420
Ovary, quantitative study of ovarian follicular atresia, 110
unusual lipoid change in ovarian fibroma, 602
Oxyacids and hydroxyacids, effects of, on protein swellings, *615
Oxycephaly in man and rabbit, 417

Paget Disease of Bone: See Osteitis deformans
Pancreas, absence, partial, congenital, 692
adenoma of islets of Langerhans, histology of, *291
carcinoma; hepatic and bile duct changes from obstruction of common bile duct due to pancreatic carcinoma, *362
carcinoma of pancreas, insular, 129
carcinoma of tail of pancreas associated with polyposis and carcinoma of stomach, 867
changes in pregnancy, 417
cystadenoma, diffuse, 431
pancreatic islets of new-born infant of diabetic mother, 691
rupture, traumatic, 438
tuberculosis, experimental, 264
Papilloma, infectious papillomatosis of rabbits, 715
Paralysis agitans, changes in muscles and nerves in paralysis agitans, 589
general; paralytic dementia as spirochetosis, 265
infectious bulbar (mad itch), 698
Parathyroid adenoma with osteitis deformans, 718
hormone, action of vitamin D and of parathyroid hormone on calcium metabolism as interpreted by studying effect of single doses on calcification of dentin, *22
intrathyroid parathyroid tumor and generalized fibrocystic osteitis, 247
Paratyphoid, agglutinins with typhoid-paratyphoid vaccine, 854
Parker, F., Jr.: Histologic changes in knee joint with advancing age; relation to degenerative arthritis, *516
Parsons, J. W.: Carcinoma of tail of pancreas associated with polyposis and carcinoma of stomach, 867
Paternity, blood grouping in questions of parentage, 437
subgroups A_1 and A_2 in investigation of, 272
Peptic Ulcer; unusual peptic ulcers of greater curvature of stomach, 444
Peptone, importance of adequate reduction of peptone in preparation of media for pneumococcus and other organisms, 274
Periarteritis nodosa, healing stages and their relation to juvenile atherosclerosis, 114
nodosa, histologic changes in blood vessels in allergic conditions and their relationship to periarteritis nodosa, 418
Perla, D.: Case of Cooley's anemia, 280
Instance of plasmocytoma within tuberculous cavity, 279
Pertussis: See Whooping Cough
Phagocytes and Phagocytosis, phagocytic activity of capillary endothelium, 266
respiration of phagocytosis, 266
Phelps, D.: Endometrial hyperplasia, *799
Phenol, estimation of tissue phenols, 257
lesions caused by certain neurotoxic phenol esters, 417
Phenylhydrazine, experimental studies on pathogenesis of jaundice caused by phenylhydrazine, 244
Phillips, P. H.: Histology of certain organs and teeth in chronic toxicosis due to fluorine, *169
Phosphatase in tumors, 271
Phosphorus and alcoholic cirrhosis, 408

Pigmentation: See Melanin
Pineal Gland, serologic specificity of pineal gland, 595
Pituitary Body; cell changes in anterior hypophysis after cancer implantation in rats, 859
dwarfism due to congenital syphilis of, 116
physiology of hypophysis, 248
posterior pituitary body activity from an anatomical standpoint, 407
relation between endocrine glands and estrus cycle, 109
synergic hypophyseal factor and prolan-like substances, 410
Pituitary Extract, comparison of compensatory hypertrophy of thyroid with that following administration of anterior pituitary extract, 116
influence of extract of anterior pituitary on autotransplanted and homeotransplanted thyroid, *381
reducing substance in chromophilic adenoma and in normal anterior pituitary, 256
Placenta, age of pregnancy; histologic diagnosis from percentage of erythroblasts in chorionic capillaries, *648
changes in syphilis, 117
group-specific differentiation of placental organs, 427
serologic specificity of placental tissue, 270
Plasmocytoma, primary, 434
within tuberculous cavity, 279
Pleura, multiple cavernoma, 436
Plewes, L. W.: Nature and origin of xanthoma cell, *177
Pneumococcus, acute pneumococcic endocarditis in early infancy, 721
autolysates in dermal infection in rabbit, 705
changes in titer of anti-pneumococcal humoral immunity in adult human beings, 706
effect of nonspecific agents on action of anti-pneumococcus serum, 706
formation of green pigment from haemoglobin by pneumococcus, 845
importance of adequate reduction of peptone in preparation of media for pneumococcus and other organisms, 274
infection in infancy and childhood, 121
intranasal virulence of pneumococci for mice, 698
micro-organisms which decompose specific carbohydrate of pneumococcus, types II and III, 851
nonspecific precipitins for pneumococcic fraction C in acute infections, 710
resistance to pneumococcus infection in rabbits, 705
simple method for preparation of specific soluble substance of type I pneumococcus, 855
soluble specific substance of pneumococcus type I, 708
Pneumonia, chronic foreign body pneumonia caused by grain dust, 420
experimental pneumonia, 245
lipoid pneumonia, *160
massive anemia necrosis of lung in pneumonia, 841
Pneumonoconiosis, histochemical and mineralogical analysis of duct particles in pneumonoconiosis, 257
minerals in silicotic lungs, 256
Pneumothorax, artificial, effects on circulation, 574
Poisoning: See under names of specific substances
Poliomyelitis, antipoliomyelitic serum from monkeys, 267
immunization of monkeys against acute anterior poliomyelitis with reference to oral immunization, 869
immunization of sheep to virus of poliomyelitis, 711
neutralization of poliomyelitis virus, 711
Poliomyelitis—Continued
neutralizing antibodies in abortive poliomyelitis, 708
titration of poliomyelitic virus containing tissue, 699
virus, 844
Polyps, nasal, cytology of nasal polyps, 442
polypoid growth of cervical glands in vagina during pregnancy, 418
Portal Vein, effect of experimental portal congestion on absorption and excretion of water, 574
Precipitins, nonspecific precipitins for pneumococcic fraction C in acute infections, 710
precipitin production in rabbits following intramuscular injection of antigen adsorbed by aluminum hydroxide, 712
quantitative precipitin study on rabbits injected with azo protein, 589
reactions in blood of rheumatic patients following acute throat infections, 857
reactions, volume of precipitate in, 849
titer and concentration of precipitins, 594
Pregnancy, age of pregnancy; histologic diagnosis from percentage of erythroblasts in chorionic capillaries, *648
changes in pancreas in pregnancy, 417
renal lesions in eclampsia and nephritis of pregnancy, 690
Priapism in case of sepsis, 840
Prize, eleventh annual prize of $1,000 given by American Association for Advancement of Science to R. L. Kahn, 104
Gibbs prize to be awarded, 687
Protamines and sulphydrils, melanosis with reference to, 256
Protein-amine compounds, colloid-chemical properties of some protein-amine compounds, *324
effects of oxyacids and hydroxyacids on protein swelling, *615
experimental edema; further experiments on type of edema produced by diet low in protein, *152
quantitative precipitin study on rabbits injected with azo protein, 589
Pseudoleukemia, osteosclerotic, 420
Pseudorabies, cultivation of pseudorabies virus, 845
infectious, bulbar paralysis, mad itch, 698
Psittacosis, developmental forms of virus of, 703
immunological studies with virus of, 853
pathology of psittacosis in animals and distribution of Rickettsia psittaci in tissues of man and animals, 120
Pyelonephritis, contracted kidney due to pyelonephritis, 835
Pylephlebitis: See Portal Vein

Quinine and ultraviolet rays, 249

Rabies, autochthonous rabies in Africa, 848
Rabinovitch, J.: Lipoid pneumonia, *160
Radiation: See Roentgen Rays; Ultraviolet Rays; and under names of various diseases
Recklinghausen's Disease: See Neurofibromatosis
Reimann, S. P.: Proliferative reaction of guinea-pig skin to sulphydryl and its relation to neoplasia, *764
Respiratory Tract, disease; coryza of domestic fowl, 697
Reticulo-Endothelial System, aseptic inflammation after blocking locally reticulo-endothelial system, 419
effect of reticulo-endothelial cell blockade on formation of antibodies in rabbits, 868
function of, in experimental streptococcic sepsis, 108
subleukemic reticulo-endotheliosis terminating in reticulo-endothelial sarcoma of humerus, 432
systemic reticulo-endothelial hyperplasia with tumor-like formations in case of chronic lymphatic leukemia, 436

Rheumatic Fever, bacteriologic investigation of blood in, 260
combined syphilitic and rheumatic disease of aortic valve; report of 3 cases, *729
experimental production of rheumatic lesions in heart and in joints, 244
localization of rheumatic lesions in heart, 839
relationship of rheumatic process to development of alterations in tissues, 250
rheumatic manifestations in subacute bacterial endocarditis in children, 842
subcutaneous nodules in rheumatic fever and rheumatoid arthritis, 416
Rheumatism, heart diseases in, without valvulitis, 689
lesions in pulmonary artery in, 418
precipitin reactions in blood of rheumatic patients following acute throat infections, 857
relation of rheumatic infection to arteriosclerosis of aorta, 113
unusual histologic forms of rheumatic infection, 114
Rhinoscleroma at necropsy, 836
intestinal, 840
Rickets, Renal: See under Dwarfism
Rift Valley fever, nuclear inclusions in liver in Rift Valley fever, 702
Rocky Mountain spotted fever and boutonneuse fever, 702
cultivation of virus of spotted fever, 424
experimental reinfection of guinea-pigs with virus of spotted fever, 423
Roentgen Rays, effect of x-rays on lungs and heart, 258
Therapy: See under names of diseases
Rosedale, R. S.: Congenital heart disease: interventricular septal defect, dextroposition of aorta and dilatation of pulmonary artery, 721
Rukstinat, G.: Calcification of dural and cerebral tissue in a hydrocephalic idiot child, 865
Rule, A. M.: Immunization of monkeys against acute anterior poliomyelitis with reference to oral immunization, 869
Ryerson, C. S.: Age of pregnancy; histologic diagnosis from percentage of erythroblasts in chorionic capillaries, *648

Sachs-Georgi Reaction: See under Syphilis
Sacrum, ossification of sacral intervertebral disks, 578
Sager, R. V.: Combined syphilitic and rheumatic disease of aortic valve; report of 3 cases, *729
Sala, A. M.: Carcinoma of stomach treated as pernicious anemia; duration over 6 years, 286
Salicyl compounds, death following ingestion of five grains of acetylsalicylic acid, 437
Saliva, group-specific qualities in saliva and other body fluids and demonstration of 2 types of eliminators of group-specific qualities, 424
inheritance of serologic types of eliminators of group-specific substances, 424
Salivary Glands, histology of mixed tumors of salivary glands, 433
mucous granulomas in salivary glands and in mucosa of stomach, 418
oncocytes in salivary glands and their relation to tumors, 597
Salmonella, effect of dissociation on antigenic behavior of Salmonella and Shigella cultures, 850
effect of feeding Salmonella organisms to rats, 701
food poisoning, 701
Salts, effect on rats of lack of salts, *40
influence of salt solutions on renal tissue, 576
production of tumor-like growths by inorganic salts, 432
Sanes, S.: Acute pneumococcic endocarditis in early infancy, 721
Age of pregnancy; histologic diagnosis from percentage of erythroblasts in chorionic capillaries, *648
Sarcina: See Bacteria, sarcina
Sarcoma, collision carcinoma and sarcoma, 597
do giant cell sarcomas exist? 434
Ewing's sarcoma of bone, histogenesis of, 714
experimental production in rats, 129
malignant tumors produced by tomato juice, 129
of choroid, 602
polymorphous, of uterus, 714
production by bacilli, 125
relation between fowl leukosis and sarcoma, 862
retothel, 134
serologic analysis of sarcomatous tissue, 598
specificity of immunity elicited by mouse sarcoma, 861
subleukemic reticulo-endotheliosis terminating in reticulo-endothelial sarcoma of humerus, 432
Scarlet Fever, comparative studies of purified toxins of streptococci of scarlet fever and of erysipelas, 591
mucoid encapsulated streptococci in scarlet fever, 851
Scheffey, L. C.: Cyst in large myoma undergoing sarcomatous change, 866
Schleifstein, J.: Carcinosarcoma of breast, 719
Fibro-adenoma of breast containing carcinoma and cartilage, 720
Schour, I.: Action of vitamin D and of parathyroid hormone on calcium metabolism as interpreted by studying effect of single doses on calcification of dentin, *22
Schüller-Christian's disease, involvement of central nervous system in case of generalized xanthomatosis (Schüller-Christian's disease), 111
xanthomatosis and central nervous system, 834
Sclerosis: See also Arteriosclerosis
diffuse, with preserved myelin islands, 415
experimental coronary sclerosis, 248
Secretions, Internal: See Endocrine Glands
Seelig, M. G.: Nature of so-called xanthoma; critical review, *546
Serodiagnosis, behavior of brain extracts in serologic reactions, 591
Serous membranes; primary malignant tumors of serous linings, 127
Serum, induction of changes in specificity of immune serums by chemical treatment, 425
physical fitness of rabbits for production of precipitating antiserums, 440
Sickness: See Anaphylaxis and Allergy
specific lesions of kidney and liver induced by cytotoxic serums, 267
specificity of bactericidal properties of normal serum, 855
Sex, effect of hormone of suprarenal cortex on genital system, 247
Shelburne, S. A.: Experimental edema; further experiments on type of edema produced by diet low in protein, *152
Shwartzman Phenomenon: See Immunity
Siegel, H.: Isolation of ether from human tissues, *510
Silberberg, M.: Influence of extract of anterior pituitary on autotransplanted and homeotransplanted thyroid, *381
Silicon, reaction of subcutaneous connective tissue to injected finely divided stone dust, 837
Silicosis: See Pneumoconiosis
Skin, calcifying epithelioma of skin, 596
characteristic skin markings after falling into water from height, 600
histologic changes in clinically unaltered skin in syphilis, 694
local circulatory reactions of skin, 108

Skin—Continued
proliferative reaction of guinea-pig skin to sulphydryl and its relation to neoplasia, *764
rôle of skin in formation of agglutinins, 269
tumors, lipoids of, 596
Smallpox, complement fixation in vaccinia and in variola, 851
cultivation of vaccine virus for Jennerian prophylaxis in man, 844
morphologic demonstration of smallpox virus in tissue culture, 423
Snakes, natural hemagglutinins in snakes and other cold-blooded animals, 426

SOCIETY TRANSACTIONS:
Buffalo Pathological Society, 721
Chicago Pathological Society, 130, 277, 441, 863
New York Pathological Society, 279
Pathological Society of Eastern New York, 601, 717
Philadelphia Pathological Society, 866

Sohval, A. R.: Combined syphilitic and rheumatic disease of aortic valve; report of 3 cases, *729
Spermatozoa, group specificity of, 272
Spinal Cord, compression of cord by vertebral hemangioma, 580
hereditary neurofibroma and diffuse meningeal gliomatosis, 271
Spine, congenital vertebral deformity with absence of neck, 111; correction, 243
lymphogranulomatosis of vertebral column, 840
regression of sacral intervertebral disks and its possible relation to sacral chordoma, 692
Spirochetes, filtration of spirochetes through graded collodion membranes, 703
Spirochetosis, defense mechanism in chicken spirochetosis, 125
paralytic dementia as spirochetosis, 265
prophylactic vaccination in icterohemorrhagic spirochetosis, 592
Splanchnomegaly and splenomegaly, 577
Spleen, changes in spleen and marrow in acute carbon monoxide poisoning, 438
multiple necroses of spleen (flecked spleen of Feitis) with reference to associated renal lesions, *187
neoplastic rupture, 596
occurrence and significance of germinal centers (Flemming) in human spleen, 863
significance of spleen in growth and metabolism of malignant tumors, 434
Splenomegaly and splanchnomegaly, 577
Spotted Fever: See Rocky Mountain spotted fever
Staining of thorotrast in tissue sections, 275
oligodendroglia and microglia in celloidin sections, 274
Staphylococcus albus; chemotropism of leukocytes in vitro; attraction by dried leukocytes, paraffin, glass and Staphylococcus albus, *607
antihaemolytic titre of serum following staphylococcal infection, 855
cultures and broth filtrates of Staphylococci, 850
oral immunization with virulent staphylococci and streptococci, 270
pleomorphic organism showing relationships between staphylococci and actinomycetes, 260
serum, standardization of antitoxic staphylococcus serum, 594
toxic effects of staphylococcal filtrates introduced enterally, 853
Steiner, P. E.: Hodgkin's disease; search for infective agent and attempts at experimental reproduction, *749
Stewart, H. L.: Hepatic and bile duct changes from obstruction of common bile duct due to pancreatic carcinoma, *362
Stewart, J. D.: Infectious cirrhosis; report of case, 277
Stohr, G.: Malformations of heart of new-born; congenital lesions suggestive of an inflammatory origin, *311
Stomach, carcinoma of stomach treated as pernicious anemia; duration, over 6 years, 286
carcinoma of tail of pancreas associated with polyposis and carcinoma of stomach, 867
diaphragmatic hernia of stomach, acquired, 693
functions of Brunner's glands and pyloric end of stomach, 575
histology of gastric mucosa and acute erosions, 422
hypertrophy of esophagus and stomach in Recklinghausen's neurofibromatosis, 115
lymphogranulomatosis of stomach and xanthomatosis of mesentery, 842
mucous granulomas in salivary glands and in mucosa of stomach, 418
wounds, influence of food on healing process of, 107
Streptococci, cataphoretic velocity of streptococci in encephalitis and other diseases of nervous system, 118
fibrinolytic activity of hemolytic streptococci, 699
infection; function of reticulo-endothelial system in experimental streptococci sepsis, 108
mucoid encapsulated streptococci in scarlet fever, 851
oral immunization with virulent staphylococci and streptococci, 270
relation of allergy to general resistance in streptococci infection, 711
seasonal changes in cataphoretic velocity and virulence of Streptococci, 850
species immunity to virulent streptococci, 854
viridans, subcutaneous nodules induced by injection of Streptococcus viridans; specificty of lesion and origin of polyblasts, *652
Streptolysins: See Hemolysin
Suer, W. J.: Colloid-chemical properties of some protein-amine compounds, *324
Effects of oxyacids and hydroxyacids on protein swelling, *615
Suicide, pentamethylenetetrazol poisoning, 600
Sulphydrils and protamines, melanogenesis with reference to, 256
proliferative reaction of guinea-pig skin to sulphydryl and its relation to neoplasia, *764
significance of sulphydryl as growth factor, *218
Suprarenal Preparations: effect of hormone of suprarenal cortex on genital system, 247
Suprarenals and infection, 858
cavernous hemangioma of, 862
cortical lipoid of mouse suprarenal after unilateral suprarenalectomy, 412
serologic specificity of suprarenal medulla, 502
Sweany, H. C.: So-called alveolar cell carcinoma of lung, 441
Sweat Glands, histology of human apocrine sweat glands, 582
Synovial membrane, tissue culture of synovial membrane, 248
Syphilis: See also under names of organs, as Intestine, syphilis; and under names of diseases, as Aortitis, syphilitic
application of recent precipitation reactions for demonstration of syphilis in rabbits, 270
combined action of arsphenamine and ultraviolet rays on Spirochaeta pallida, 249
combined syphilitic and rheumatic disease of aortic valve; report of 3 cases, *729
congenital: periosteal bone formation at epiphyseal line in congenital syphilis, 694

Syphilis—Continued
dwarfism due to congenital syphilis of hypophysis, 116
experimental, new studies in, 263
histologic changes in clinically unaltered skin in, 694
in guinea-pigs, 262
neurosyphilis; experimental studies of syphilis of central nervous system, 423
placental changes in, 117
precipitation and "ball" reactions for demonstration of syphilis, new methods of, 275
precipitation tests for serologic diagnosis of syphilis, 440
relation between cerebrospinal fluid and blood serum in, 439
Sachs and Georgi reaction; comparison of results of Sachs and Georgi (lentochol) reaction after 24 and 48 hours, 440
serodiagnosis; comparative complement-fixation tests in leprosy, tuberculosis and syphilis, 430
serodiagnosis, modification of reaction of Tsien-Yung-Tsü with inactivated serum for diagnosis of syphilis, 276
serodiagnosis, practical value of new modification of citochol reaction, 275
sudden death and syphilis, 437

Tar Cancer: See Cancer
Teeth, histology of certain organs and teeth in chronic toxicosis due to fluorine, *169
incisor teeth of albino rats and guinea pigs in vitamin A deficiency and repair, 244
origin and pathologic significance of epithelium found about roots of teeth, 130
rare dental anomaly ("dens in dente"), 277
Terplan, K.: Anatomic studies of primary and postprimary pulmonary tuberculosis in white children and adults, 723
Primary tuberculous focus with extensive caseous pleuritis without complex changes in regional lymph nodes, 722
Testicle, adenomas in undescended testis, multiple, 433
extract, effect on experimental tuberculosis, 408
extract; influence of testicle extract upon effect of toxins, bacteria and viruses, and on Shwartzman and Arthus phenomena, 708
transplant; functionating ipsihomogeneous testicle (cat) transplant surviving 8 years, 247
tumors, 861
Tetanus toxoid in prophylaxis against tetanus, 712
Thorium, detection in tissues, 259
Thorotrast, staining of thorotrast in tissue sections, 275
Throat infection; precipitin reactions in blood of rheumatic patients following acute throat infections, 857
Thrombopathy, constitutional thrombopathy (new disease of blood), 107
Thrombosis, coronary occlusion, thrombosis in left ventricle, iliac embolism and gangrene of lower extremities, 718
heart in deaths due to embolism and thrombosis, 583
of hepatic vein, 580
Thyroid abscess, chronic, 112
changes in myocardium of rabbits from augmenting heart rate mechanically and from induced hyperthyroidism, *333
comparison of compensatory hypertrophy with that following administration of anterior pituitary extract, 116
complete heart-block in hyperthyroidism following acute infections, 407
disease, blood cholesterol in experimental thyroid disease, 408
heart changes in hyperthyroidism, 841
influence of diet and hormones on thyroid function, 245
Thyroid—Continued
influence of extract of anterior pituitary on autotransplanted and homeotransplanted thyroid, *381
of north German and south German rats, 582
tumors; principle accelerating growth and maturation demonstrated in metastases of tumor of thyroid gland, *361
Tissue culture of synovial membrane, 248
culture studies on blood vessels and serous membranes, 575
culture studies on relation of tuberculin reaction to anaphylaxis and Arthus phenomenon, 708
cultures, influence of cytotoxins on growth and metabolism of tissue cultures, 249
cultures of fibroblasts, 105
cultures, synovial cells in tissue cultures, 105
gall bladder epithelium as an osteogenic stimulus and physiological differentiation of connective tissue, 409
races that constitute group of common fibroblasts, 409
reaction of subcutaneous connective tissue to injected finely divided stone dust, 837
reactions of tissue in experimentally sensitized rabbits, 268
staining of thorotrast in tissue sections, 275
Tolylenediamine, jaundice due to, 576
Tomato juice, malignant tumors produced by tomato juice, 129
Tongue, accessory, 588
chronic black tongue with anemia, production in dogs, 411
congenital neurofibromatous macroglossia, 433
experimentally induced epithelial proliferation of rabbit's tongue, 433
myoblastoma associated with squamous cell carcinoma of tongue, 432
Tonsils, hematogenous infection, 265
Tsien-Yung-Tsü Reaction: See Syphilis, serodiagnosis
Tubercle Bacilli, blood culture of, 262
culture by Löwenstein method, 695
dissociants and variants, 700
human tubercle bacillus on bile medium for 22 years, 847
in Blood: See Tuberculosis, bacteremia
lysis of, in sensitized resistant species of animals, 268
tuberculous ultravirus, 262
vaccination of rabbits with partially defatted tubercle bacilli, 706
vaccination with heat-killed and formaldehydized tubercle bacilli, 705
Tuberculin tests, comparative sensitiveness of Pirquet and intracutaneous tuberculin tests, 704
tissue culture studies on relation of tuberculin reaction to anaphylaxis and Arthus phenomenon, 708
Tuberculoid lesion of cattle, subcutaneous, morphologic study, *533
Tuberculosis: See also Tubercle Bacilli; and under names of organs and regions
B C G, paraspecific immunity from B C G, 857
B C G, repeated injections of B C G in monkeys, 848
bacillemia, 261, 856
bacteremia; bacillemia and bacilluria in tuberculosis, 264
bacteremia; detection of, in circulating blood, 264
bacteremia; determination of tubercle bacillemia by Löwenstein's method, 422
bacteremia in advanced pulmonary tuberculosis, 843
cockroach as possible carrier, 844
effect of primary infection on contact tuberculosis in rabbits, 697
experimental; effect of testicular extract on experimental tuberculosis in rabbits, 408
filtrable elements in, 847
focal cell reactions in tuberculosis and allied diseases, 696

Tuberculosis—Continued
immunization of rabbits with heat-killed tubercle bacilli, 709
of human origin in Amazon parrot, 844
persistence of tuberculous infections, 843
plasmocytoma within tuberculous cavity, 279
pulmonary; anatomic studies of primary and postprimary pulmonary tuberculosis in white children and adults, 723
pulmonary; congenital tuberculosis of lung due to aspiration of amniotic fluid, 264
pulmonary; primary tuberculous focus with extensive caseous pleuritis without complex changes in regional lymph nodes, 722
pulmonary, tubercle bacilli in blood in, 843
resistance of rabbits after vaccination with partially defatted tubercle bacilli, 706
serodiagnosis; comparative complement-fixation tests in leprosy, tuberculosis and syphilis, 430
spontaneous, in animals, 262
tuberculin reaction; tuberculous skin reaction, 123
tuberculous vegetations of trunk of pulmonary artery, 251
vaccination with heat-killed and formaldehydized tubercle bacilli, 705
Tuchman, L. R.: Hypertrophy of heart due to storage of glycogen, 281
Tuft, L.: Effect of reticulo-endothelial cell blockade on formation of antibodies in rabbits, 868
Tularemia, bone marrow in, 689
Tumors: See also Cancer; Sarcoma; and under names of organs and regions
demonstration of antibodies against malignant tumors in blood, 598
fundamental questions in tumor research, 436
lipoids of tumors of skin, 596
mixed; carcinosarcoma, 126
mixed; carcinosarcoma of breast, 719
nerves in tumors, 716
phosphatase in, 271
presence of receptors M and N in, 598
primary malignant tumors of serous linings, 127
production of tumor-like growths by inorganic salts, 432
proliferative reaction of guinea-pig skin to sulphydryl and its relation to neoplasia, *764
Twins, Köhler's disease of tarsal navicular bone in identical twins, 691
Typhoid, agglutinins with typhoid-paratyphoid vaccine, 854
arterial disease in, 694
bacillus, lithium chloride mediums for preservation and recovery of typhoid bacillus in feces, 117
immunization; content of agglutinins in combined oral and subcutaneous typhoid immunization, 595
Typhus in rats, 848
virus, survival in brain tissue, 849

Ulcers: See Peptic Ulcer; and under names of organs
Ultraviolet Rays and quinine, 249
antigenic qualities of bacteria treated with, 430
combined action of arsphenamine and ultraviolet rays on Spirochaeta pallida, 249
Umbilicus, persistent enteric mucosa at umbilicus, 720
Undulant Fever, histology of, 111
value of animal inoculation in diagnosis of, 265
Urea clearance after unilateral nephrectomy in dogs, *46
Uric acid, synthesis of, in birds, 259
Urine, bacteria in; bacillemia and bacilluria in tuberculosis, 264
methods and effects of increasing urinary constituents in body, 411
Urine—Continued
urinary compound of albumin, Bence-Jones protein, pseudoglobulin and unknown antigen, 256
Urticaria; urticarial skin reactions in guinea-pigs, 708
Uterus, cervix, mitogenic radiation by cervical cancer, 715
cyst in large myoma undergoing sarcomatous change, 866
fibrosis, 254
lymphogranulomatosis, 693
mucous membrane, menstrual cycle and lipoid content of uterine mucous membrane, 839
polymorphous sarcoma, 714

Vagina, polypoid growth of cervical glands during pregnancy, 418
Variola: See Smallpox
Varix of pulmonary vein, 135
de Veer, J. A.: Origin and nature of lesion of sympathetic ophthalmia, *663
Vein, Portal: See Portal Vein
Venesection, influence on titer of diphtheria antitoxin, 590
Venom, inactivation of complement with poison of snake Bothrops, 425
Vertebra: See Spine
Viosterol: See Ergosterol
Virus, cultivation of vaccine virus for Jennerian prophylaxis in man, 844
disease of canary of fowl pox group, 845
filterable, carriers of, 700
Vital Statistics, analysis of coroner's statistics from Cook County (Chicago), Illinois with pathologic review of causes of death, *775
Vitamin A deficiency, incisor teeth of albino rats and guinea pigs in vitamin A deficiency and repair, 244
A, lesions of nervous system in rats on a diet low in vitamin A, 416
C, relation of vitamin C deficiency to intestinal tuberculosis in guinea-pig, 699
D, action of vitamin D and of parathyroid hormone on calcium metabolism as interpreted by studying effect of single doses on calcification of dentin, *22
D, arterial disease produced by cholesterol and vitamin D, 106; correction, 451
necessary for growth of Bacillus sporogenes, 702
renal lesions in hypervitaminosis, 412
Vitreous Humor, cellular response of vitreous humor to bacteria, blood and vital dyes, 846

Wakeman, A. J.: Some abnormalities in rats subsisting on diets poor in mineral nutrients, *40
Walsh, T. E.: Cytology of nasal polyps, 442
Warshall, H. B.: Amyloidosis; experimental studies, *50
Wartman, W. B.: Chemotropism of leukocytes in vitro; attraction by dried leukocytes, paraffin, glass and Staphylococcus albus, *607
Wassermann reaction, examination of extracts for, by means of nephelometry, 275
Water, effect of experimental portal congestion on absorption and excretion of water, 574
skin markings after falling into water from a height, 600
Weil, A.: Demonstration of micro-organisms in epidemic encephalitis (St. Louis epidemic), 278
Weiser, H. B.: Mechanism of formation of pure cholesterol gallstones, *1
Whooping Cough, bacteriophage of Bacillus pertussis, 700
Williams, E. Y.: Structural changes in granular layer of cerebellum, *206

Wolfe, J. M.: Endometrial hyperplasia, *799
Womack, N.: Histology of adenoma of islets of Langerhans, *291
Wright, A. W.: Persistent enteric mucosa at umbilicus, 720

Xanthoma, lymphogranulomatosis of stomach and xanthomatosis of mesentery, 842
nature and origin of xanthoma cell, *177
nature of so-called xanthoma; critical review, *546
Xanthomatosis: See Niemann-Pick's Disease; Schüller-Christian's Syndrome; Xanthoma
Xylene: See Benzene

Yellow Fever, precipitin reaction in yellow fever, 849
titration of yellow fever virus in Stegomyia mosquitoes, 849
Yudkin, A. M.: Some abnormalities in rats subsisting on diets poor in mineral nutrients, *40